

FIG. 2

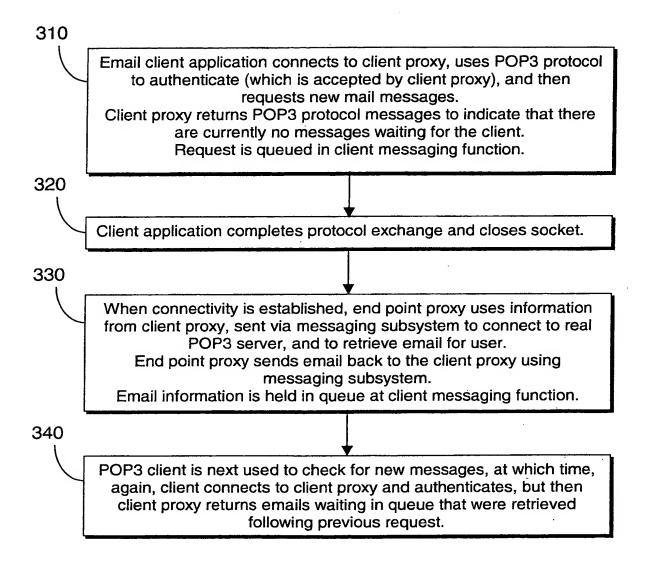


FIG. 3

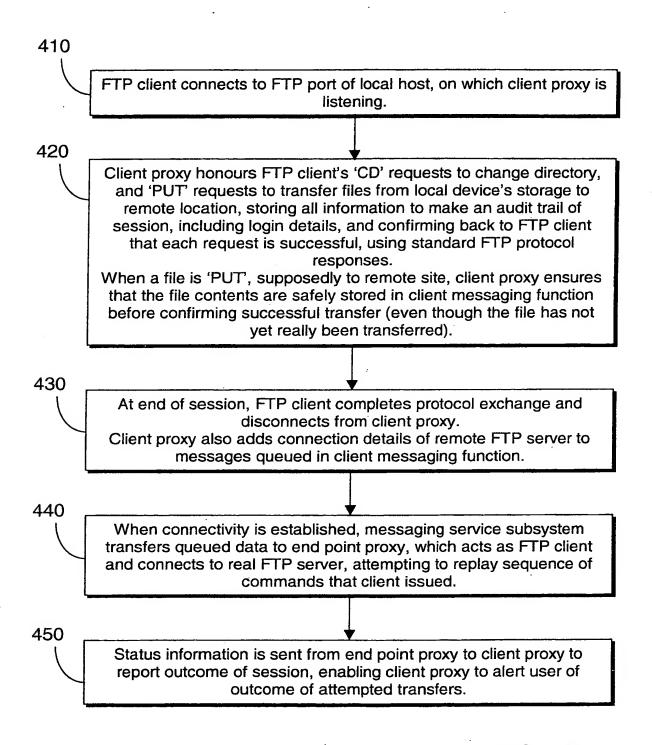


FIG. 4

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When file 'GET' is issued, client proxy returns unique "signature" such as 'MD5' signature of current system 'timestamp', and ftp client writes signature into file specified by user.

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After FTP session has terminated, when in future connectivity is established, messages from client proxy waiting in client messaging function are sent to server messaging function and then to end point proxy, which acts as FTP client and connects to real FTP server, and gets files requested, which are transferred from end point proxy to client proxy via messaging subsystem.

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Client proxy searches through all the files in local file system of pervasive device to find file containing special signature stored earlier. When found, this file is over-written with the real file contents now available.

FIG. 5

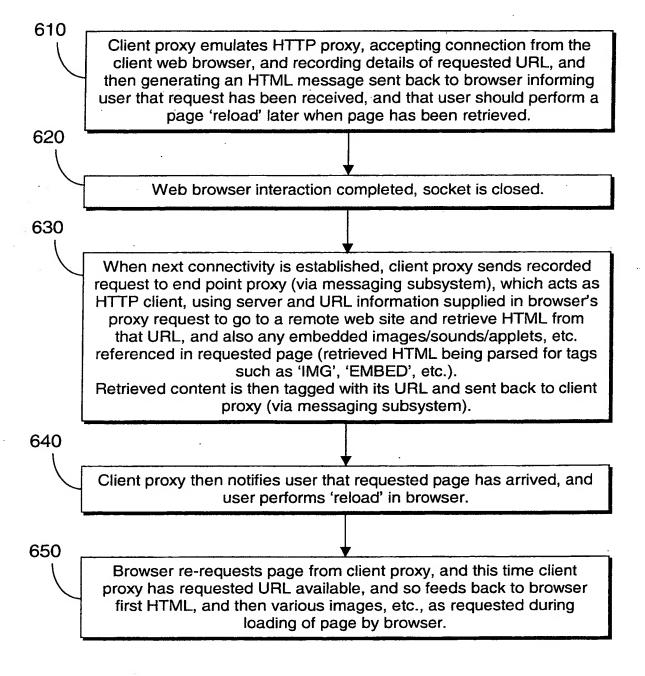


FIG. 6